















- 1. THIS GUIDE RAIL TRANSITION IS APPROPRIATE FOR CONNECTION TO A VERTICAL CONCRETE SHAPE.
- 2. FOR RECOMMENDED ATTACHMENT TYPE, REFER
 TO "BRIDGE ATTACHMENT TYPES". THIS SHEET.
- 3. ALL CROSS SLOPES BETWEEN THE PAVEMENT EDGE AND POSTS SHALL BE 1V:10H OR FLATTER.
- 4. EMBANKMENT MATERIAL CONFORMING TO THE NJDOT STANDARD SPECIFICATIONS SECTION 203 SHALL EXTEND FLAT BEHIND THE POSTS AT LEAST 610MM AT WHICH POINT A SLOPE OF NO STEEPER THAN 1V:2H SHOULD EXTEND A MINIMUM OF 1220MM FURTHER.
- 5. CONCRETE PYLONS TO BE CONSTRUCTED AT ALL ENDS OF STEEL RAILING. ATTACH GUIDE RAIL TO THE PYLONS.
- 6. AT TYPE A ATTACHMENTS, THRIE BEAM RAIL ELEMENT WILL REQUIRE ADDITIONAL POST MOUNTING HOLES FOR POST #1, 3 & 5. CAUTION, HOLES ARE TO BE SHOP PUNCHED OR DRILLED BEFORE GALVANIZATION. NO FIELD DRILLING IS PERMITTED.
- 7. POSTS 1 THRU 7 SHALL BE 2175MM LONG WITH 1470MM POST EMBEDMENT. POST 8 SHALL BE 2035MM LONG WITH 1378MM POST EMBEDMENT. POST 9 SHALL BE 2035MM LONG WITH 1330MM POST EMBEDMENT.
- 8. LOCATE CONDUIT AT END OF PYLON SO AS NOT TO INTERFERE WITH GUIDE RAIL POST SPACING.
- 9. LOCATE DRAINAGE INLETS AND ELECTRIC JUNCTION BOXES ON APPROACHES SO AS NOT TO INTERFERE WITH GUIDE RAIL POST SPACING.
- 10. STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO AASHTO M270M AND SHALL BE GALVANIZED AS PER AASHTO M111M.
- 11. HIGH STRENGTH STEEL BOLTS, NUTS AND WASHERS SHALL CONFORM TO AASHTO M164M. ZINC COATED BOLTS, NUTS AND WASHERS SHALL BE TREATED ACCORDING TO AASHTO M232M.
- 12. THE THICKNESS OF THRIE-BEAM, W-BEAM AND W-THRIE BEAM TRANSITION SHALL BE 2.75MM.
- 13. FOR ADDITIONAL THRIE BEAM AND W-BEAM DETAILS REFER TO CD-605-1.9, CD-612-1, CD-612-3, AND CD-612-12.
- 14. CONCRETE LIP CURB MAY BE OMITTED AT UNDERPASS, WHERE EROSION CONTROL IS NOT NECESSARY.

GUIDE RAIL ATTACHMENT - NEW CONSTRUCTION (SIDEWALK WITH STEEL RAILING)

BEAM GUIDE RAIL ATTACHMENTS

N.T.S.

CD-612-16

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

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